GLHT 201 Syllabus Fall 2014

Course Description:
This course provides an overview of contemporary technological advances to improve human health. We will consider four questions throughout the semester:

(1) What are the problems in healthcare today?
(2) Who pays to solve problems in healthcare?
(3) How can we use science and technology to solve healthcare problems?
(4) Once developed, how do new healthcare technologies move from the lab to the bedside?

We will compare and contrast answers to these questions throughout the developed and developing worlds. We will also consider legal and ethical issues associated with developing new medical technologies. During the semester, we will use case studies to examine a number of diseases and healthcare technologies.

Prerequisites:
None

Meeting Time and Location:
T/TH 9:25-10:40 AM, Location BRC 282

Course instructors:
Dr. Veronica Leautaud
vl2@rice.edu
BRC Room 174-C
Office Hours: Monday/ Friday 10:00-11 or by appointment

TA: Yara Aboshady yia@rice.edu
Linh Nguyen linh.t.nguyen@rice.edu

Method of Instruction:
The course will consist of lectures, homework, and a class project. Reading assignments will complement material covered in class.

Textbook:
Biomedical Engineering for Global Health, Cambridge University Press.

Method of Evaluation:
Two in-class exams will be given and will focus on readings and material covered in lecture. Homework and project assignments are due approximately on a weekly basis.

Grading:

Homeworks	10%
In-class participation	5%
Class exams 1 & 2 (20% each)	40%
Project tasks 1-6	40%
Project/team participation	5%
Total	100%

If you believe that a mistake has been made in grading your homework or exam, you have ONE WEEK to request a regrade in writing. After one week has passed I will not consider any requests to regrade your work.

Homework: Printed homework assignments and tasks are due at the beginning of class. Late assignments will have a 50% maximum grade and will only be accepted one week after the assigned due date. Homework should be your own, but general methods of working problems may be discussed with others.

Exams: Two one-hour exams will be given in class throughout the semester.

Participation and Absences
Class participation counts for 5% (5 points) of your grade. Participation includes completing the readings and assignments, contributing to class discussions, and arriving on time. You may have 2 unexcused absences. If you have a family emergency, an approved sporting event, or an illness that requires you to miss class, please inform me in advance.

Project tasks: Project-specific tasks will be handed out when team projects are assigned. For these projects, there are both individual and team tasks. Written tasks should be handed in at the beginning of the class. Late tasks will

have a 50% maximum grade and will only be accepted one week after the assigned due date. For PowerPoint class presentations, please turn in three paper copies of the PowerPoint file, and be prepared to hand an electronic copy as well.

Project /team participation: A team participation score will be given three times during the semester and will range from 0 to 100%. The individual team participation grade is based on technical contribution, peer evaluation, instructor evaluation, self-evaluation, attendance, etc. Peer evaluation will be formally evaluated using the CATME software. The course instructor makes the final decision about a student's team participation score, which counts as 5% of the final grade

Honor System Policy: As with all endeavors at Rice, you are expected to adhere to the Honor Code and follow the guidelines given in the Blue Book. Exams are given under the honor system. Students are encouraged to work together collaboratively on the projects, but each student is expected to contribute an equal share to the final project. Plagiarism includes copying or using a resource without proper citation (to include appropriating the ideas of another person without accrediting the source). American Medical Association citation style should be used for all assignments where citations are needed. Information on this citation format can be found here: http://medlib.bu.edu/facts/faq2.cfm/content/citationsama.cfm

Students are encouraged to bring any concerns involving academic integrity to the attention of the instructor. More information can be found at www.ruf.rice.edu/~honor**.** If at any point, you are unclear about the honor system and how it works, please contact me.

Disabilities: If you have a documented disability that requires accommodation, please let me know so that we can confidentially discuss your needs. You will also need to register with the Disability Support Services Office in the Ley Student Center.

Formatting/Submission of Papers
All papers should be 1.5 spaced-spaced in 12-point Times New Roman font with 1-inch margins on each side. Your name, the date, and the course/section should appear on the first page. American Medical Association citation style should be used for all papers. Information on this citation format can be found here: http://medlib.bu.edu/facts/faq2.cfm/content/citationsama.cfm

Owlspace
All course readings will be uploaded onto OwlSpace. I will use this as a primary means of interfacing with the class outside of course times. Make sure to check this site frequently for course updates or additional course materials.

Expectations about E-mail and Laptop Use in Class
While you may use a laptop or a hand-held device during class, you should not be surfing the internet, reading e-mail, or sending text messages during the class period. I welcome e-mailed questions and concerns about your work and the course in general. Please ensure that your e-mailed notes include a salutation, closing statement and your full name. E-mailed notes should be written in a professional manner.

***This syllabus is a plan for the course, and is subject to change at the discretion of the instructor. Any changes will be announced. ***